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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence during pendency of filed application)</i>	Application Number	10/814,931	
	Filing Date	March 30, 2004	
	First Named Inventor	Peter E. Hart	
	Group Art Unit Number	2624	
	Examiner Name	King Y. Poon	
Total Number of Pages in This Submission	9*	Attorney Docket Number	20412-08340

ENCLOSURES (check all that apply)	
<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate) <input checked="" type="checkbox"/> Check Enclosed	<input type="checkbox"/> Issue Fee Transmittal
<input checked="" type="checkbox"/> Return Receipt Postcard	<input type="checkbox"/> Letter to Chief Draftsperson
<input type="checkbox"/> Response to Notice to File Missing Parts	<input type="checkbox"/> Formal Drawing(s): [ ] Sheet(s) of Figure(s) [ ]
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<input type="checkbox"/> Declaration	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Power of Attorney	<input type="checkbox"/> Certified Copy of Priority Document(s)
<input type="checkbox"/> Application Data Sheet	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement & PTO/SB/08A	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> Copies of IDS Cited Non-Patent References	<input type="checkbox"/> _____
<input type="checkbox"/> Request for Corrected Filing Receipt	<input type="checkbox"/> _____
<input type="checkbox"/> Request for Correction of Recorded Assignment	<input type="checkbox"/> _____
<input type="checkbox"/> Amendment/Response: [ ] Page(s)	<input type="checkbox"/> _____
<input type="checkbox"/> After Final	<input type="checkbox"/> _____
<input type="checkbox"/> Status Request	<input type="checkbox"/> _____
<input type="checkbox"/> Revocation and Substitute Power of Attorney	<input type="checkbox"/> _____

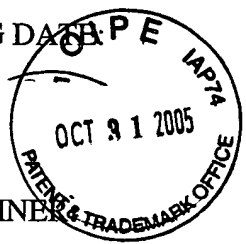
REMARKS: \*Page count does not include cited references.

SIGNATURE OF ATTORNEY OR AGENT		
Signature:		
Attorney/Reg. No.:	Greg T. Sueoka, Reg. No. 33,800	Dated: 10/26/05

CERTIFICATE OF MAILING		
I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10.		
Signature:		
Typed or Printed Name:	Greg T. Sueoka	Dated: 10/26/05
Express Mail Mailing Number (optional):		

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Peter E. Hart, Jonathan J. Hull, Jamey Graham and Kurt Piersol  
APPLICATION NO.: 10/814,931  
FILING DATE: March 30, 2004  
TITLE: Printer Having Embedded Functionality for Printing Time-Based Media  
EXAMINER: King Y. Poon  
GROUP ART UNIT: 2624  
ATTY. DKT. NO.: 20412-08340



**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below:

Dated: 10/26/05

By: [Signature]

Greg T. Sueoka, Reg. No.: 33,800

MAIL STOP AMENDMENT  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

**Under 37 CFR §§ 1.56 and 1.97-98**

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☐ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;
- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;

**PATENT**

- ☒ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR §1.113; or (2) an action that otherwise closes prosecution in the application, and:
- ☒ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
- ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
- ☐ Applicant certifies pursuant to 37 CFR. § 1.97(e) that:
- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement;
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained

**PATENT**

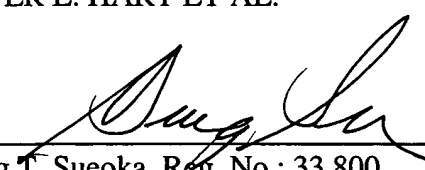
in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

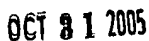
- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(d); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. \_\_\_\_\_, filed on \_\_\_\_\_, and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☒ This application was filed after June 30, 2003. Therefore, pursuant to the waiver of the requirements under 37 CFR 1.98(a)(2)(i), copies of each U.S. Patent and each U.S. Patent Application Publication are not required to be submitted. Copies of any foreign patent documents and non-patent literature cited herein are enclosed.
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☐ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,  
PETER E. HART ET AL.

Dated: 10/26/05

By:   
Greg T. Sueoka, Reg. No.: 33,800  
Fenwick & West LLP  
Silicon Valley Center  
801 California Street  
Mountain View, CA 94041  
Tel.: (650) 335-7194  
Fax.: (650) 938-5200



Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT | (\$)** 180.00

**Complete if Known**

Application Number	10/814,931
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Filing Date	March 30, 2004
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First Named Inventor	Peter E. Hart
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Examiner Name	King Y. Poon
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Art Unit	2624
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Attorney Docket No.	20412-08340
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**METHOD OF PAYMENT** (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:

Deposit Account Number 19-2555

**Deposit Account Name**

Fenwick &amp; West LLP

**The Commissioner is authorized to:** *(check all that apply)*

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge all required fee(s) or any underpayment of fee(s) due under 37 CFR §1.16 or §1.17 during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity
<p>1. <b>Revenue Recognition</b></p> <p>Large entities use the <b>percentage of completion</b> method for long-term contracts, recognizing revenue as work progresses. Small entities often use the <b>cost of sales</b> method, recognizing revenue only when the contract is completed.</p>	<p>1. <b>Revenue Recognition</b></p> <p>Small entities often use the <b>cost of sales</b> method for long-term contracts, recognizing revenue only when the contract is completed.</p>
<p>2. <b>Inventory Valuation</b></p> <p>Large entities use the <b>FIFO</b> (First In, First Out) method for inventory valuation. Small entities often use the <b>LIFO</b> (Last In, First Out) method.</p>	<p>2. <b>Inventory Valuation</b></p> <p>Small entities often use the <b>LIFO</b> (Last In, First Out) method for inventory valuation.</p>
<p>3. <b>Depreciation</b></p> <p>Large entities use the <b>MACRS</b> (Modified Accelerated Cost Recovery System) for depreciation. Small entities often use the <b>straight-line</b> method.</p>	<p>3. <b>Depreciation</b></p> <p>Small entities often use the <b>straight-line</b> method for depreciation.</p>
<p>4. <b>Bad Debt Expense</b></p> <p>Large entities use the <b>allowance method</b> for bad debt expense. Small entities often use the <b>direct write-off</b> method.</p>	<p>4. <b>Bad Debt Expense</b></p> <p>Small entities often use the <b>direct write-off</b> method for bad debt expense.</p>
<p>5. <b>Research and Development</b></p> <p>Large entities use the <b>capitalization</b> method for research and development costs. Small entities often use the <b>expensing</b> method.</p>	<p>5. <b>Research and Development</b></p> <p>Small entities often use the <b>expensing</b> method for research and development costs.</p>

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
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<b>SUBTOTAL (1)</b>	<b>(\$)</b>	<b>0</b>
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## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims		Fee from below		Fee Paid
Total Claims	<input type="text"/>	-20**=	<input type="text"/>	X	<input type="text"/>	= <input type="text"/>
Independent Claims	<input type="text"/>	-3**=	<input type="text"/>	X	<input type="text"/>	= <input type="text"/>
Multiple Dependent	<input type="text"/>				<input type="text"/>	= <input type="text"/>

Large Entity	Small Entity
<p>1. <b>Revenue</b></p> <p>2. <b>Expenses</b></p> <p>3. <b>Assets</b></p> <p>4. <b>Liabilities</b></p> <p>5. <b>Equity</b></p>	<p>1. <b>Revenue</b></p> <p>2. <b>Expenses</b></p> <p>3. <b>Assets</b></p> <p>4. <b>Liabilities</b></p> <p>5. <b>Equity</b></p>

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	50	2202	25	Claims in excess of 20
1201	200	2201	100	Independent claims in excess of 3
1203	360	2203	180	Multiple dependent claim, if not paid
1204	200	2204	100	**Reissue independent claims over original patent
1205	50	2205	25	**Reissue claims in excess of 20 and over original patent

<b>SUBTOTAL (2)</b>	<b>(\$)</b> 0
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\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION** (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath or declaration	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1,080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1000	2403	500	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	500	2452	250	Petition to revive - unavoidable	
1453	1,500	2453	750	Petition to revive - unintentional	
1501	1,400	2501	700	Utility issue fee (or reissue)	
1502	800	2502	400	Design issue fee	
1503	1100	2503	550	Plant issue fee	
1460	—	1460	—	Petitions to the Director	
1807	50	1807	50	Processing fee for Provisional Applications	
1806	180	1806	180	Submission of Information Disclosure Stmt	180
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

<b>SUBTOTAL (3)</b>	<b>(\$)</b> 180
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## SUBMITTED BY

Name (Print/Type)	Greg T. Sueoka
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Registration No. (Attorney/Agent)	33,800
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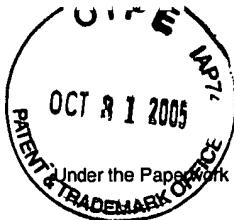
Complete (if applicable)

Telephone (650) 335-7194

**Signature**

Date \_\_\_\_\_

10/26/08



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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT****Complete if Known**

Application No.	10/814,931
Filing Date	March 30, 2004
First Named Inventor	Peter E. Hart
Art Unit	2624
Examiner Name	King Y. Poon
Attorney Docket Number	20412-08340

Sheet 1 of 3

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document No. Number – Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A1	US-2003/0220988 A1	11-27-2003	Hymel
	A2	US-6,611,622	08-26-2003	Krumm
	A3	US-6,594,377	07-15-2003	Kim et al.
	A4	US-2003/0088582 A1	05-08-2003	Pflug
	A5	US-2002/0185533 A1	12-12-2002	Shieh et al.
	A6	US-6,476,793	11-05-2002	Motoyama et al.
	A7	US-6,466,534	10-15-2002	Cundiff, Sr.
	A8	US-2002/0101513 A1	08-01-2002	Halverson
	A9	US-6,421,738	07-16-2002	Ratan et al.
	A10	US-2002/0048224 A1	04-25-2002	Dygert et al.
	A11	US-6,373,498	04-16-2002	Abgrall
	A12	US-2002/0010641 A1	01-24-2002	Stevens et al.
	A13	US-6,308,887	10-30-2001	Korman et al.
	A14	US-6,296,693	10-02-2001	McCarthy
	A15	US-2001/0003846 A1	06-14-2001	Rowe et al.
	A16	US-6,193,658	02-27-2001	Wendelken et al.
	A17	US-6,118,888	09-12-2000	Chino et al.
	A18	US-6,000,030	12-07-1999	Steinberg et al.
	A19	US-5,940,776	08-17-1999	Baron et al.
	A20	US-5,936,542	08-10-1999	Kleinrock et al.
	A21	US-5,774,260	06-30-1998	Petitto et al.
	A22	US-5,764,368	06-09-1998	Shibaki et al.
	A23	US-5,682,330	10-28-1997	Seaman et al.
	A24	US-5,633,723	05-27-1997	Sugiyama et al.
	A25	US-5,568,406	10-22-1996	Gerber

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application No.	10/814,931
				Filing Date	March 30, 2004
				First Named Inventor	Peter E. Hart
				Art Unit	2624
				Examiner Name	King Y. Poon
Sheet	2	of	3	Attorney Docket Number	20412-08340

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document No. Number – Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A26	US-5,438,426	08-01-1995	Miake et al.
	A27	US-5,386,510	01-31-1995	Jacobs
	A28	US-5,270,989	12-14-1993	Kimura
	A29	US-5,170,935	12-15-1992	Federspiel et al.
	A30	US-5,136,563	08-04-1992	Takemasa et al.
	A31	US-5,115,967	05-26-1992	Wedekind
	A32	US-5,093,730	03-03-1992	Ishii et al.
	A33	US-5,091,948	02-25-1992	Kametani
	A34	US-4,881,135	11-14-1989	Heilweil
	A35	US-4,807,186	02-21-1989	Ohnishi et al.
	A36	US-4,754,485	06-28-1988	Klatt
	A37	US-4,734,898	03-29-1988	Morinaga

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> – Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
	B1	WO 99/18523	04-15-1999	Caere Corporation	

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>6</sup>
	C1	GOPAL, S. et al., "Load Balancing in a Heterogeneous Computing Environment," Proceedings of the Thirty-First Hawaii International Conference on System Sciences," 6-9 January 1998.			
	C2	GROPP, W. et al., "Using MPI – Portable Programming with the Message-Passing Interface," copyright 1999, pages 35-42, second edition, MIT Press.			

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application No.	10/814,931
				Filing Date	March 30, 2004
				First Named Inventor	Peter E. Hart
				Art Unit	2624
				Examiner Name	King Y. Poon
Sheet	3	of	3	Attorney Docket Number	20412-08340

[illegible]

Examiner Signature		Date Considered	
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Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.